

DECEMBER 02, 2002

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Director of the United States Patent and Trademark Office  
Washington, DC 20231  
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ALCOA INC.  
JENNIFER R. DEVANDO  
ALCOA TECHNICAL CENTER  
100 TECHNICAL DRIVE  
ALCOA CENTER, PA 15069-0001



\*102221209A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/09/2002 ✓

REEL/FRAME: 013273/0090 ✓  
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
SAMPLE, VIVEK M. ✓

DOC DATE: 08/13/2002

ASSIGNOR:  
REIGHARD, SCOTT E. ✓

DOC DATE: 08/13/2002

ASSIGNOR:  
PAOLA, VINCENT A. ✓

DOC DATE: 08/13/2002

ASSIGNOR:  
CHABAL, RONALD G. ✓

DOC DATE: 08/13/2002

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PITTSBURGH, PENNSYLVANIA 15212-5858

SERIAL NUMBER: 10127160 ✓ 01-1550  
PATENT NUMBER:

FILING DATE: 04/19/2002 ✓  
ISSUE DATE:

013273/0090 PAGE 2

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good, and valuable considerations, the receipt of which is hereby acknowledged, and intending to be legally bound hereby, we, **Vivek M. Sample**, of Murrys ville, **Scott E. Reighard**, of Lower Burrell, **Vincent A. Paola**, of Jeannette, and **Ronald G. Chabal**, of New Kensington, all in the County of Westmoreland and State of Pennsylvania, respectively

Hereby sell, assign and transfer to Alcoa Inc., a corporation of the state of Pennsylvania, having a place of business at Pittsburgh, in the County of Allegheny , and State of Pennsylvania, its successors, assigns, and legal representatives, our entire right, title and interest, for all countries, in and to any and all improvements which are disclosed and claimed, and any and all improvements which are disclosed but not claimed, in the application for United States Patent, **Serial No.** 10/127,160 **Filed** April 19, 2002 entitled "**Continuous Pressure Molten Metal Supply System and Method for Forming Continuous Metal Articles**" (Atty. Docket No. 01-1550) and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed on any of said improvements disclosed in said application; and in and to all original and reissued patents which have been or shall be issued on said improvements;

Authorize and request my attorney to insert above the filing date and application number when they become known;

Authorize and request the Commissioner of Patents and Trademarks to issue to said Assignee, Alcoa Inc., its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said improvements, or any of them disclosed in said application;

Agree that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, we will, for all countries execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to us relating to said improvements and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said improvements, and for vesting title to said improvements and all

applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives.

Covenant with said Assignee, its successors, assigns and legal representatives that we have made to others no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed, and that we have full right to convey the same as herein expressed.

Vivek M. Sample Aug-13-2002  
Vivek M. Sample

Scott E. Reighard 8-13-02  
Scott E. Reighard

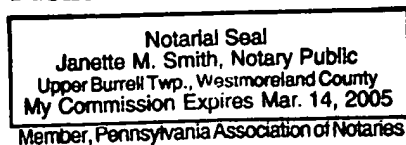
Vincent A. Paola 8-13-02  
Vincent A. Paola

Ronald G. Chabal 8-13-02  
Ronald G. Chabal

State of Pennsylvania )  
 )SS.  
County of Westmoreland )

Before me this 13<sup>TH</sup> day of August 2002, personally appeared **Vivek M. Sample**, **Vincent A. Paola**, and **Ronald G. Chabal**, to me personally known to be the persons who are described in and who executed the above instrument, and they acknowledged to me that they executed the same of their own free will for the purposes therein set forth.

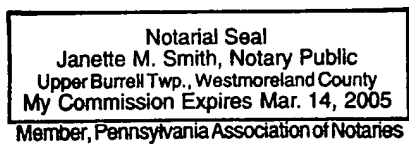
Janette M. Smith  
Notary Public



State of Pennsylvania                    )  
  )SS.  
County of Westmoreland                )

Before me this 13<sup>TH</sup> day of August 2002, personally  
appeared **Scott E. Reighard**, to me personally known to be the person who is described  
in and who executed the above instrument, and he acknowledged to me that he executed  
the same of his own free will for the purposes therein set forth.

Janette M. Smith  
Notary Public



## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Continuous Pressure Molten Metal Supply System and Method for Forming Continuous Metal Articles,  
the specification of which ☒ is attached hereto

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>10/014,649</u> (Appln. Serial No.)	<u>December 11, 2001</u> (Filing Date)	<u>Pending</u> (Status—patented, pending, abandoned)
<u>09/957,846</u> (Appln. Serial No.)	<u>September 21, 2001</u> (Filing Date)	<u>Pending</u> (Status—patented, pending, abandoned)
<u>60/284,952</u> (Appln. Serial No.)	<u>April 19, 2001</u> (Filing Date)	<u>Abandoned</u> (Status—patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Tracey D. Beiriger (Reg. No. 37402), Glenn E. Klepac (Reg. No. 26474), Edward L. Levine (Reg. No. 28097),  
David W. Pearce-Smith (Reg. No. 31285), Gary P. Topolosky (Reg. No. 31888),  
Matthew W. Smith (Reg. No. 35366), David P. Maivald (Reg. No. 42831),  
Christian E. Schuster (Reg. No. 43908); Julie W. Meder (Reg. No. 36216)

Address all telephone calls to David Pearce-Smith, Esq. at telephone no. (724) 337-2768  
Alcoa Inc.  
Alcoa Technical Center  
100 Technical Drive  
Alcoa Center, PA 15069-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**BEST AVAILABLE COPY**

Full name of sole or first inventor Vivek M. SampleInventor's signature *Vivek M. Sample*Date 31-July 2002Residence Murrysville, PennsylvaniaCitizenship IndiaPost Office Address Alcoa Inc.Alcoa Technical Center100 Technical DriveAlcoa Center, PA 15069-0001Full name of second joint inventor, if any Scott E. ReighardInventor's signature *Scott E. Reighard*Date 26 JULY 2002Residence Lower Burrell, PennsylvaniaCitizenship U.S.A.Post Office Address Alcoa Inc.Alcoa Technical Center100 Technical DriveAlcoa Center, PA 15069-0001Full name of third joint inventor, if any Vincent A. PaolaInventor's signature *Vincent A. Paola*Date 31-July-2002Residence Jeannette, PennsylvaniaCitizenship U.S.A.Post Office Address Alcoa Inc.Alcoa Technical Center100 Technical DriveAlcoa Center, PA 15069-0001Full name of fourth joint inventor, if any Ronald G. ChabalInventor's signature *Ronald G. Chabal*Date 19 July 2002Residence New Kensington, PennsylvaniaCitizenship U.S.A.Post Office Address Alcoa Inc.Alcoa Technical Center100 Technical DriveAlcoa Center, PA 15069-0001

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